

# MEMORANDUM



**Date:** June 5, 2007

**To:** Honorable Chairman Bruno A. Barreiro  
and Members, Board of County Commissioners

**From:** George W. Burgess  
County Manager

**Subject:** Request to Advertise for Contract No. W-836: Removal of Calcium Carbonate Deposit at the Alexander Orr Water Treatment Plant

Agenda Item No. 8(R)3e

## Recommendation

This request to initiate and advertise Construction Contract No: W-836 has been prepared by the Miami-Dade Water and Sewer Department (MDWASD) and is recommended for approval. At this time, the existing storage lagoon at the Alexander Orr Water Treatment Plant is near capacity, this project will increase the storage capacity of the lagoon for the calcium carbonate generated as a residual of MDWASD's water production operation.

## Scope

**PROJECT NAME:** Alexander Orr Jr. Water Treatment Plant Removal of Calcium Carbonate Deposit

**PROJECT NO:** N/A

**CONTRACT NO:** Contract No. W-836

**PROJECT DESCRIPTION:** The project consists of furnishing all labor, materials and equipment necessary to haul and legally dispose of the calcium carbonate residuals in a storage lagoon produced at the Alexander Orr Water Treatment Plant located at 6800 SW 87 Street in Miami-Dade County, Florida. The calcium carbonate is the material removed from the well water during the softening process, it is inert and non-toxic, and in its dry stage it is a very fine powder, but when it is mixed with water it will form slurry.

The work includes, but is not limited to the following: clearing, excavating, loading into trucks with watertight bodies and covers, and hauling away approximately 175,000 cubic yards of calcium carbonate; furnishing all labor, materials and equipment necessary to breach the existing dike and reconstructing it upon completion of work; legally disposing of the material off site; constructing a truck wash station to be used for the duration of the project; removing the truck wash station at the end of the project; performing street

cleaning along the calcium carbonate haul route; survey work; furnishing traffic control; and all other miscellaneous and appurtenant work for a complete project.

It is MDWASD's intent to obtain a complete, functional, and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The Contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

**PROJECT LOCATION:** 6800 SW 87 Street in Miami-Dade County, Florida

**PRIMARY COMMISSION DISTRICT:** Carlos A. Gimenez, District 7

**APPROVAL PATH:** Board of County Commissioners

**USING DEPARTMENT:** Miami-Dade Water and Sewer Department

**MANAGING DEPARTMENT:** Miami-Dade Water and Sewer Department

**Fiscal Impact / Funding Source**

**FUNDING SOURCE:** Operating Revenues

**PTP FUNDING:** No

**GOB FUNDING:** No

**CAPITAL BUDGET PROJECT:** Not Applicable

**RTA  
ESTIMATE  
\$8,035,000**

**PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:** Not Applicable

**ESTIMATED CONTRACT PERIOD:** 730 consecutive calendar days

**ESTIMATED CONTINGENCY PERIOD:** 73 additional consecutive calendar days

**IG FEE INCLUDED IN BASE CONTRACT:** Yes

**ART IN PUBLIC PLACES:** No

**BASE ESTIMATE:** \$7,440,000

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Infrastructure	5%	\$372,000	

**PERMIT FEES :** \$223,000 3.00%

**TOTAL DEDICATED ALLOWANCE:** \$223,000

**COST ESTIMATE:** \$8,035,000

**EXPLANATION:** N/A

**MINIMUM QUALIFICATIONS EXCEED LEGAL REQUIREMENTS:** No

**REVIEW COMMITTEE:** **MEETING DATE:** 2/7/2007 **SIGNOFF DATE:**

**RESPONSIBLE WAGES:** Yes

REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:	MEASURE	GOAL	COMMENT
	CSBE	6%	
	CWF		Not Applicable

**MANDATORY CLEARING HOUSE:** Yes

**CONTRACT MANAGER NAME/PHONE/EMAIL:** Rong Zhuge (305) 669-77274 RZHUG01@miamidade.gov

**PROJECT MANAGER NAME/PHONE/EMAIL:** Alma M. Santiago, P.E. (786)552-8243 AS1@miamidade.gov

## Background

At the present time, the existing lagoon is reaching its full capacity, if the lagoon reaches full capacity, MDWASD will not be able to deposit calcium carbonate into the lagoon due to lack of storage capacity and will not be able to comply with the regulatory standards set by the Safe Drinking Water Act.

BUDGET APPROVAL  
FUNDS AVAILABLE:

  
Jennifer Glazer-Moon  
OSBM DIRECTOR

4-26-07   
DATE

Roger Carlton   
ASSISTANT COUNTY  
MANAGER

4/26/07  
DATE

APPROVED AS TO LEGAL SUFFICIENCY:

David Murray   
COUNTY ATTORNEY

4-20-07  
DATE

ALEXANDER ORR JR. WATER TREATMENT PLANT REMOVAL OF CALCIUM  
CARBONATE DEPOSIT  
CONTRACT NO. W-836

BUDGET PROJECT AND  
DESCRIPTION:

Not Applicable

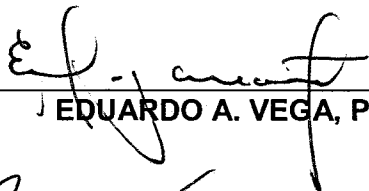
FUNDING SOURCE:

Expense by a Job Order

INDEX CODES:

Not Applicable

ASSISTANT DIRECTOR,  
ENGINEERING:

  
EDUARDO A. VEGA, PE 4/17/06  
DATE

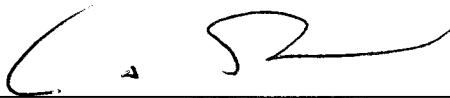
DEPT BUDGET OFFICER:

  
PEDRO VELAR 4/19/06  
DATE

ASSISTANT DIRECTOR,  
FINANCE:

  
DIANE CAMACHO 4/19/06  
DATE

DEPUTY DIRECTOR,  
OPERATIONS:

  
JOSEPH A. RUIZ, JR. 4/19/06  
DATE



Dept. of Business Development  
Project Worksheet

Project/Contract Title: REMOVAL OF CALCIUM CARBONATE FROM ALEXANDER ORR, JR.  
WATER TREATMENT PLANT TO SOUTHWEST WELL FIELD LAGOON (SIC  
17) RC Date: 02/07/2007  
3-04  
Project/Contract No: W-836 Funding Source: Item No: 06/21/2001  
Department: WATER & SEWER DEPARTMENT General  
Estimated Cost of Project/Bid: \$8,035,000.00 Resubmittal Date(s):  
Description of Project/Bid: To establish a contract to provide removal of calcium carbonate from Alexander Orr, Jr. water treatment plant to Southwest Well Field  
Lagoon for MDWASD.

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CSBE	6.34%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Administrative Order 3-22 indicate that a 6% goal is appropriate in the trades of excavation, clearing and grubbing (All Other Heavy Construction), and truck wash station construction (Commercial and Institutional Building Construction).

This project is being resubmitted because it was not advertised in the six-month time period.

CWP Not Applicable: Not in DTA


MDWASD Recommendation of Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Excavation Contractors	CSBE	\$369,610.00	4.60%	22
All Other Heavy Construction	CSBE	\$99,634.00	1.24%	18
Commercial and Institutional Building Construction	CSBE	\$40,175.00	0.50%	100
Total		\$509,419.00	6.34%	

Living Wages: YES ☐ NO ☐ Highway: YES ☐ NO ☒ Heavy Construction: YES ☒ NO ☐  
Responsible Wages: YES ☒ NO ☐ Building: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside \_\_\_\_\_  
Set Aside \_\_\_\_\_ Level 1 \_\_\_\_\_ Level 2 \_\_\_\_\_ Level 3 \_\_\_\_\_  
Trade Set Aside (MCC) \_\_\_\_\_ Goal 6% CSBE Bid Preference \_\_\_\_\_  
No Measure \_\_\_\_\_ Deferred \_\_\_\_\_ Selection Factor \_\_\_\_\_  
 2/7/07  
Chairperson, Review Committee Date County Manager Date